

- 22-05

Docket No.: 291958238US

Client Ref.: P03-0030

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Klocke et al.

Application No.: 10/729,357

Confirmation No.: 8259

Filed: December 5, 2003

Art Unit: 1745

For:

CHAMBERS, SYSTEMS, AND METHODS Examiner: H. D. Wilkins

FOR ELECTROCHEMICALLY PROCESSING MICROFEATURE

WORKPIECES

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A summary/abstract translation of the non-English language references is enclosed.

Application No.: 10/729,357 Docket No.: 291958238US

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0665, under Order No. 291958238US.

8/18/05

Respectfully submitted,

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Attorney for Applicant



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Subs	titute for form 1449A/E	R/PTO		Complete if Known		
Gubs	utate for form 1440/92	<i>"</i> . 10		Application Number	10/729,357-Conf. #8259	
IN	FORMATIO	ON DIS	CLOSURE	Filing Date	December 5, 2003	
SI	TATEMENT	T BY AF	PPLICANT	First Named Inventor	John L. Klocke	
				Art Unit	1745	
	(Use as many	sheets as ne	ecessary)	Examiner Name	H. D. Wilkins	
Sheet	1	of	11	Attorney Docket Number	291958238US	

Examin er	Ι	1			
Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	AI*	US-2002-0032499		GREGORY WILSON	
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	AK*	US-2002-0139678		GREGORY WILSON	
	AL*	US-2003-0038035		GREGORY WILSON	
	AM*	US-2003-0062258		DANIEL WOODRUFF	
	AN*	US-2003-0070918		KYLE HANSON	t
	AO*	US-2003-0127337		KAYLE HANSON	
	AP*	US-2004-0031693		LINLIN CHEN	
	AQ*	US-2004-0055877		GREGORY WILSON	
	AR*	US-2004-0099533		GREGORY WILSON	
	AS*	US-2004-0188259		GREGORY WILSON	
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	AZ*	US-3,716,462	02-13-1973		
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	Al1*	US-4,046,105		GOMEZ	
	AJ1*	US-4,072,557	02-07-1978		
	AK1*	US-4,082,638	04-04-1978		
	AL1*	US-4,113,577		ROSS ET AL.	
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	AN1*	US-4,137,867	02-06-1979		
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Sub	stitute for form 1449A/B/	PTO		Complete if Known		
000	Sultate for form 1440, VE.		•	Application Number	10/729,357-Conf. #8259	
IN	IFORMATIC	N DIS	CLOSURE	Filing Date	December 5, 2003	
S	TATEMENT	BY AF	PPLICANT	First Named Inventor	John L. Klocke	
				Art Unit	1745	
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AQ1*	US-4,222,834		BACON ET AL.
AR1*	US-4,238,310	12-09-1980	ECKLER ET AL.
AS1*	US-4,246,088	01-20-1981	MURPHY ET AL.
AT1*	US-4,259,166	03-31-1981	WHITEHURST
AU1*	US-4,287,029	09-01-1981	KOUICHI SHIMAMURA
AV1*	US-4,304,641	12-08-1981	GRANDIA ET AL.
AW1*	US-4,323,433	04-06-1982	DAVID M. LOCH
AX1*	US-4,341,629	07-27-1982	
AY1*	US-4,360,410	11-23-1982	FLETCHER ET AL.
AZ1*	US-4,378,283	03-29-1983	MICHAEL SEYFFERT
AA2*	US-4,384,930	05-24-1983	
AB2*	US-4,391,694	07-05-1983	BENGT W. RUNSTEN
AC2*	US-4,422,915	12-27-1983	WIELONSKI ET AL.
AD2*	US-4,431,361	02-14-1984	BAYNE
AE2*	US-4,437,943	03-20-1984	ALEXANDER F. BECK
AF2*	US-4,440,597		WELLS ET AL.
AG2*	US-4,443,117		MURAMOTO ET AL.
AH2*	US-4,449,885	05-22-1984	RICHARD J. HERTEL
Al2*	US-4,451,197	05-29-1984	LANGE
AJ2*	US-4,463,503	08-07-1984	ROBERT D. APPLEGATE
AK2*	US-4,466,864	08-21-1984	DUANE E. BACON
AL2*	US-4,469,564		OKINAKA ET AL.
AM2*	US-4,469,566	09-04-1984	WRAY
AN2*	US-4,475,823	10-09-1984	STONE
AO2*	US-4,480,028	10-30-1984	KATO ET AL.
AP2*	US-4,495,153	01-22-1985	MINORU MIDORIKAWA
AQ2*	US-4,495,453	01-22-1985	HAJIMU INABA
AR2*	US-4,500,394	02-19-1985	JOHN S. RIZZO
AS2*	US-4,529,480	07-16-1985	TROKHAN
AT2*	US-4,541,895	09-17-1985	ALBERT
AU2*	US-4,566,847	01-28-1986	TAKASHI MAEDA
AV2*	US-4,576,685	03-18-1986	GOFFREDO ET AL.
AW2*	US-4,576,689		ALMAXUD M. MAKKAEV
AX2*	US-4,585,539	04-29-1986	EDSON
AY2*	US-4,604,177		OLIVO G. SIVILOTTI
AZ2*	US-4,604,178		DALE R. FIEGENER
AA3*	US-4,634,503		DANIEL NOGAVICH
AB3*	US-4,639,028	01-27-1987	
AC3*	US-4,648,944		GEORGE ET AL.
AD3*	US-4,670,126		MESSER ET AL.
AE3*	US-4,685,414	08-11-1987	
AF3*	US-4,687,552		EARLY ET AL.
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9	STATEMENT	BY AF	PPLICANT	First Named Inventor	John L. Klocke	
				Art Unit	1745	
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Al3*	US-4,715,934	142 20 4097	TAMMINEN
AJ3*			BARROYER
			WILLIAM R. WARD
AK3			EDMUND R. HINMAN
AL3			
AM3			HUGUES ET AL.
AN3			LEE M. GOLDMAN
AO3			KAWAGUCHI ET AL.
AP3			RONALD G. REED
AQ3		07-18-1989	
AR3			SCHUMANN
AS3			CASARCIA ET AL.
AT3			CRAFTS ET AL.
AU3			LUCE ET AL.
AV3		02-20-1990	
AW3			KOJI YAMAKAWA
AX3			VOHRINGER ET AL.
AY3			GILES ET AL.
AZ3'			MATSUMOTO
AA4'		08-21-1990	DAVIS ET AL.
AB4			MAYDAN ET AL.
AC4			HIDENORI SHIMAUCH
AD4			MATSUSHITA ET AL.
AE4		12-25-1990	KUNZE-CONCEWITZ ET AL.
AF4			FREEMAN ET AL.
AG4			VIRGIL E. SCHUSTER
AH4			STIERMAN ET AL.
Al4*		06-25-1991	
AJ4*			COOK ET AL.
AK4			SHIRAIWA
AL4*			ASANO ET AL.
AM4	* US-5,061,144		MASAMI AKIMOTO
AN4	1		BOEHNLEIN
AO4			IAN Y.K. YEE
AP4			OLBRICH ET AL.
AQ4		03-17-1992	STEVEN T. MAYER
AR4		05-05-1992	ASANO ET AL.
AS4		05-19-1992	ELLEN L. HAHNE
AT4*		06-30-1992	
AU4			HUG ET AL.
AV4			YEE ET AL.
AW4			DAVIS ET AL.
AX4*			TOSHIO OGURA
AY4			TERRY L. GILTON
AZ4*			GRONET ET AL.
AA5	US-5,156,174	10-20-1992	RAYMON F. THOMPSON

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Sud	ostitute for form 1449A/B	(PTO		Complete if Known		
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S	TATEMENT	BY A	PPLICANT	First Named Inventor	John L. Klocke	
				Art Unit	1745	
	(Use as many	sheets as	necessary)	Examiner Name	H. D. Wilkins	
Sheet	4	of	11	Attorney Docket Number	291958238US	

	AD5+	110 5 450 700	40.00.4000	ANULIZIMAD C. DUATT
		US-5,156,730		ANILKUMAR C. BHATT
		US-5,168,886		THOMPSON ET AL.
	AD5*	US-5,168,887		RAYMON F. THOMPSON
<u> </u>	AE5*	US-5,169,408		BIGGERSTAFF ET AL.
		US-5,172,803	12-22-1992	
	AG5*	US-5,174,045		THOMPSON ET AL.
	AH5*	US-5,178,512	01-12-1993	
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	AL5*	US-5,186,594		TOSHIMA ET AL.
	AM5*	US-5,209,817		UMAR M. AHMAD
		US-5,217,586		MADHAV DATTA
	AO5*	US-5,222,310		RAYMON F. THOMPSON
	AP5*	US-5,227,041		BRUCE N. BROGDEN
	AQ5*	US-5,228,232		RODNEY MILES
	AR5*	US-5,228,966	07-20-1993	SATOSHI MURATA
	AS5*	US-5,230,371	07-27-1993	
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	AU5*	US-5,235,995	08-17-1993	BERGMAN ET AL.
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	AW5*	US-5,252,137		TATEYAMA ET AL.
	AX5*	US-5,252,807	10-12-1993	CHIZINSKY
	AY5*	US-5,256,262	10-26-1993	BLOMSTERBERG
	AZ5*	US-5,256,274	10-26-1993	JAIME PORIS
	AA6*	US-5,271,953	12-21-1993	LITTERAL
	AB6*	US-5,271,972	12-21-1993	KWOK ET AL.
	AC6*	US-5,301,700	04-12-1994	KAMIKAWA ET AL.
	AD6*	US-5,302,464		TAKUJI NOMURA
	AE6*	US-5,306,895		USHİKOSHI ET AL.
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		US-5,316,642		DAVID J. YOUNG
	AH6*	US-5,326,455		KUBO ET AL.
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		US-5,344,491		MARIKO KATOU
	AN6*	US-5,348,620	09-20-1994	HERMANS ET AL.
	AO6*	US-5,364,504		SMURKOSKI ET AL.
		US-5,366,785	11-22-1994	SAWDAI
		US-5,366,786		CONNOR ET AL.
	AR6*	US-5,368,711		JAIME PORIS
	AS6*	US-5,372,848		KIM J. BLACKWELL
		US-5,376,176		ATSUSHI KURIYAMA
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Examiner	Date
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Subs	Substitute for form 1449A/B/PTO			Complete if Known		
-				Application Number	10/729,357-Conf. #8259	
IN	FORMATIC	ON DISC	CLOSURE	Filing Date	December 5, 2003	
S ⁻	STATEMENT BY APPLICANT			First Named Inventor	John L. Klocke	
_				Art Unit	1745	
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AU6*	US-5,377,708	01-03-1995	ERIC J. BERGMAN	
AV6*	US-5,388,945		GARRIC ET AL.	
AW6*			WILLIAM H. LYTLE	
AX6*			GELATOS ET AL.	
AY6*			HSIEH ET AL.	
AZ6*	US-5,411,076		MATSUNAGA ET AL.	
AA7*	US-5,421,987		TZANAVARAS ET AL.	
AB7*	US-5,427,674		LANGENSKIOLD ET AL.	
AC7*	US-5,429,686		CHIU ET AL.	
AD7*	US-5,429,733		HIROFUMI ISHIDA	
AE7*	US-5,431,803	07-11-1995	DIFRANCO ET AL.	
AF7*	US-5,437,777		SHUJI KISHI	
AG7*	US-5,441,629	08-15-1995	KOSAKI	
AH7*	US-5,442,416		TATEYAMA ET AL.	
AI7*	US-5,443,707	08-22-1995		
AJ7*	US-5,445,484		KATO ET AL.	
AK7*	US-5,447,615	09-05-1995		
AL7*	US-5,454,405	10-03-1995	HAWES	
AM7*	US-5,460,478		AKIMOTO ET AL.	
AN7*	US-5,464,313	11-07-1995	OHSAWA	
A07*	US-5,472,502	12-05-1995	WILLIAM T. BATCHELDER	
AP7*	US-5,489,341	02-06-1996	BERGMAN ET AL.	
AQ7*	US-5,500,081	03-19-1996	BERGMAN	
AR7*	US-5,501,768		HERMANS ET AL.	•
AS7*	US-5,508,095	04-16-1996	ALLUM ET AL.	
AT7*	US-5,512,319	04-30-1996	COOK ET AL.	
AU7*	US-5,514,258	05-07-1996	BRINKET ET AL.	
AV7*	US-5,516,412		ANDRICACOS ET AL.	
AW7*	US-5,522,975	06-04-1996	ANDRICACOS ET AL.	
AX7*	US-5,527,390		ONO ET AL.	
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AB8*	US-5,571,325		TSUTOMU UEYAMA	
AC8*	US-5,575,611		THOMPSON ET AL.	
AD8*	US-5,584,310		ERIC J. BERGMAN	
AE8*		12-17-1996		
AF8*	US-5,593,545		RUGOWSKI ET AL.	
AG8*	US-5,597,460		H. VINCENT REYNOLDS	
AH8*	US-5,597,836		HACKLER ET AL.	
Al8*	US-5,600,532		MICHIYA ET AL.	
AJ8*	US-5,609,239		SCHLECKER	
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AL8*	US-5,639,206		ODA ET AL.	
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Approved for use through 07/31/2006. OMB 0651-0031
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Sut	Substitute for form 1449A/B/PTO			Complete if Known	
Jul				Application Number	10/729,357-Conf. #8259
11	NFORMATIO	N DIS	SCLOSURE	Filing Date	December 5, 2003
S	STATEMENT BY APPLICANT			First Named Inventor	John L. Klocke
				Art Unit	1745
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AN8*	US-5,641,613	·	BOFF ET AL.
AO8*	US-5,650,082		ANDERSON
AP8*	US-5,651,823		PARODI ET AL.
AQ8*	US-5,658,387		TIMOTHY J. REARDON
AR8*	US-5,660,472		PEUSE ET AL.
AS8*	US-5,660,517		THOMPSON ET AL.
AT8*	US-5,662,788		GURTEJ SANDHU
AU8*	US-5,664,337		DAVIS ET AL.
AV8*	US-5,670,034		KENNETH J. LOWERY
AW8*	US-5,676,337	10-14-1997	GIRAS ET AL.
AX8*	US-5,677,118	10-14-1997	SPARA ET AL.
AY8*	US-5,678,320	10-21-1997	THOMPSON ET AL.
AZ8*	US-5,681,392	10-28-1997	EUGENE A. SWAIN
AA9*	US-5,683,564		REYNOLDS
AB9*	US-5,684,654		SEARLE ET AL.
AC9*	US-5,684,713		ASADA ET AL.
AD9*	US-5,700,127		JUNJI HARADA
AE9*	US-5,711,646		UEDA ET AL.
AF9*	US-5,723,028		JAIME PORIS
AG9*	US-5,731,678		ZILA ET AL.
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AK9*	US-5,754,842		MINAGAWA
AL9*	US-5,755,948		LAZARO ET AL.
AM9*	US-5,759,006		MIYAMOTO ET AL.
AN9*	US-5,762,751		MARTIN C. BLECK
A09*	US-5,765,444		PAUL BACCHI
AP9*	US-5,765,889		NAM ET AL.
AQ9*	US-5,776,327		BOTTS ET AL.
AR9*	US-5,785,826		ALEX GREENSPAN
AS9*	US-5,788,829		JOSHI ET AL.
AT9*	US-5,802,856		SCHAPER ET AL.
AU9*	US-5,829,791		KOTSUBO ET AL.
AV9*	US-5,843,296		GREESPAN
AW9*	US-5,871,626		DOUGLAS E. CRAFTS
AVV9 AX9*	US-5,871,805	01-01-2001	JEROME LEMELSON
AY9*	US-5,882,498	03-16-1000	VALERY DUBIN
AT9*	US-5,892,207		KAWAMURA ET AL.
AAA*	US-5,892,207 US-5,904,827		REYNOLDS
ABA*	US-5,904,827 US-5,908,543		TAKASHI MATSUNAMI
ABA*	US-5,925,227		KOBAYASHI ET AL.
ADA*	US-5,925,227 US-5,932,077		H. VINCENT REYNOLDS
AEA*	US-5,937,142		MOSLEHI ET AL.
AFA*	US-5,957,142 US-5,957,836	09-28-1999	
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Examiner			Date

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PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitu	te for form 1449A/I	R/PTO		Complete if Known		
Cabsula	Substitute for form 1448/VBF 10			Application Number	10/729,357-Conf. #8259	
INF	ORMATIC	ON DISC	LOSURE	Filing Date	December 5, 2003	
STA	STATEMENT BY APPLICANT			First Named Inventor	John L. Klocke	
				Art Unit	1745	
	(Use as many sheets as necessary)			Examiner Name	H. D. Wilkins	
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	AGA*	US-5,980,706	11-09-1999	MARTIN BLECK	
		US-5,985,126		MARTIN C. BLECK	
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		US-5,989,406		CHARLES P. BEETZ	
		US-5,998,123		TANAKA ET AL.	
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		US-6,001,235		ARKEN ET AL.	
		US-6,004,828		KYLE M. HANSON	
-		US-6,017,820		TING ET AL.	
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